

22-141 50 SHEETS  
 22-142 100 SHEETS  
 22-144 200 SHEETS

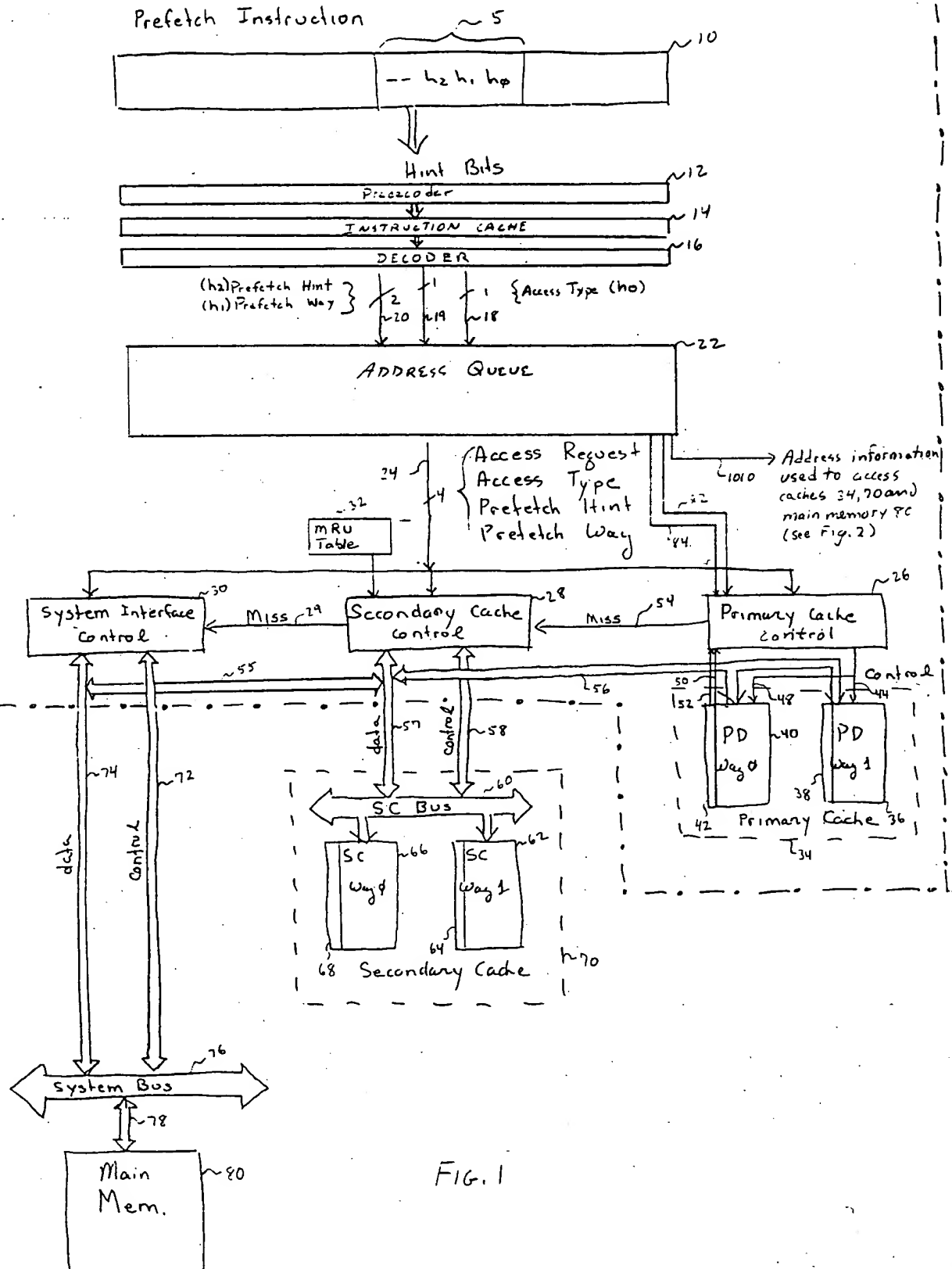
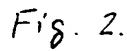


FIG. 1



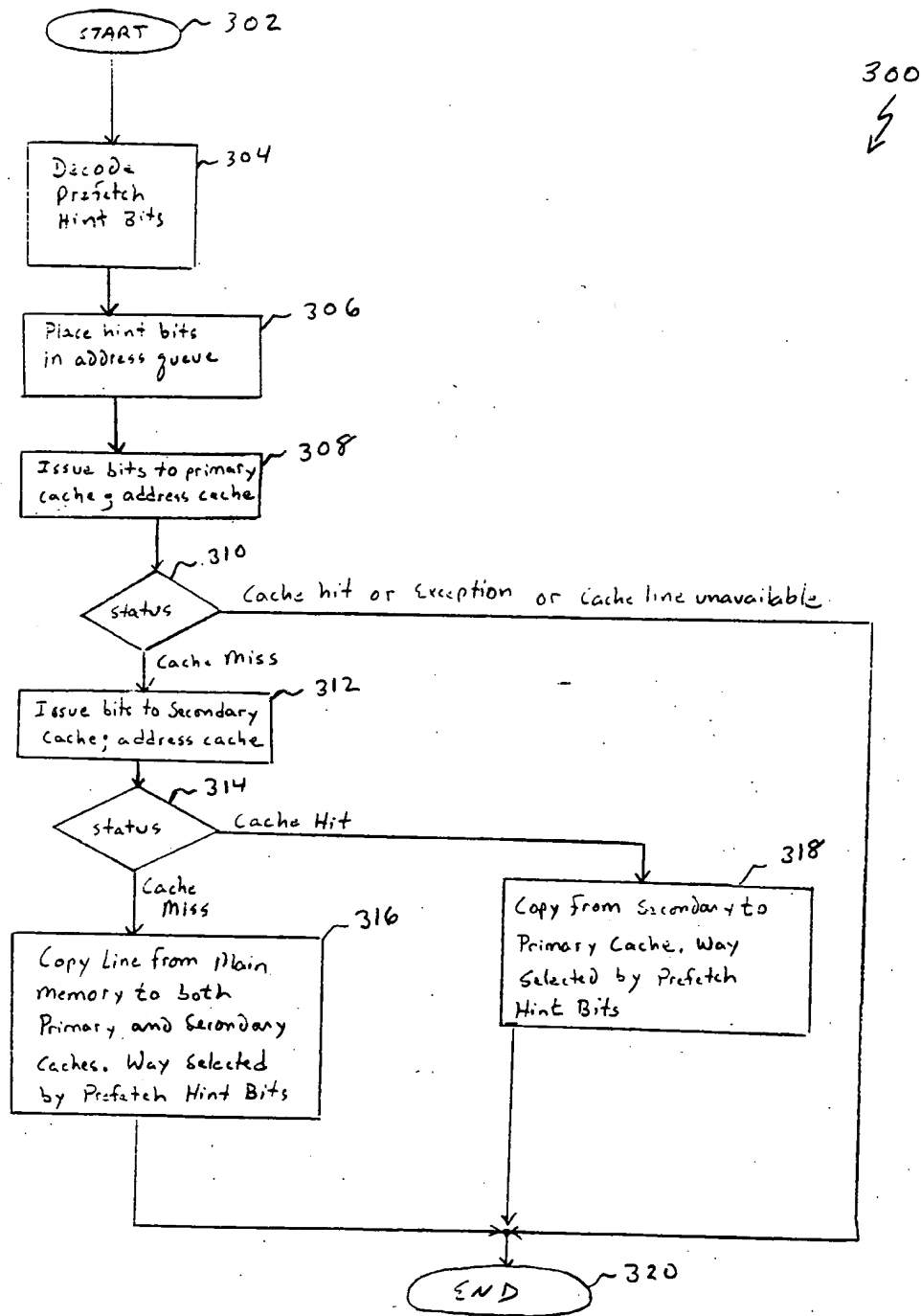


FIG. 3

Prefetch (hint = refill way 0)

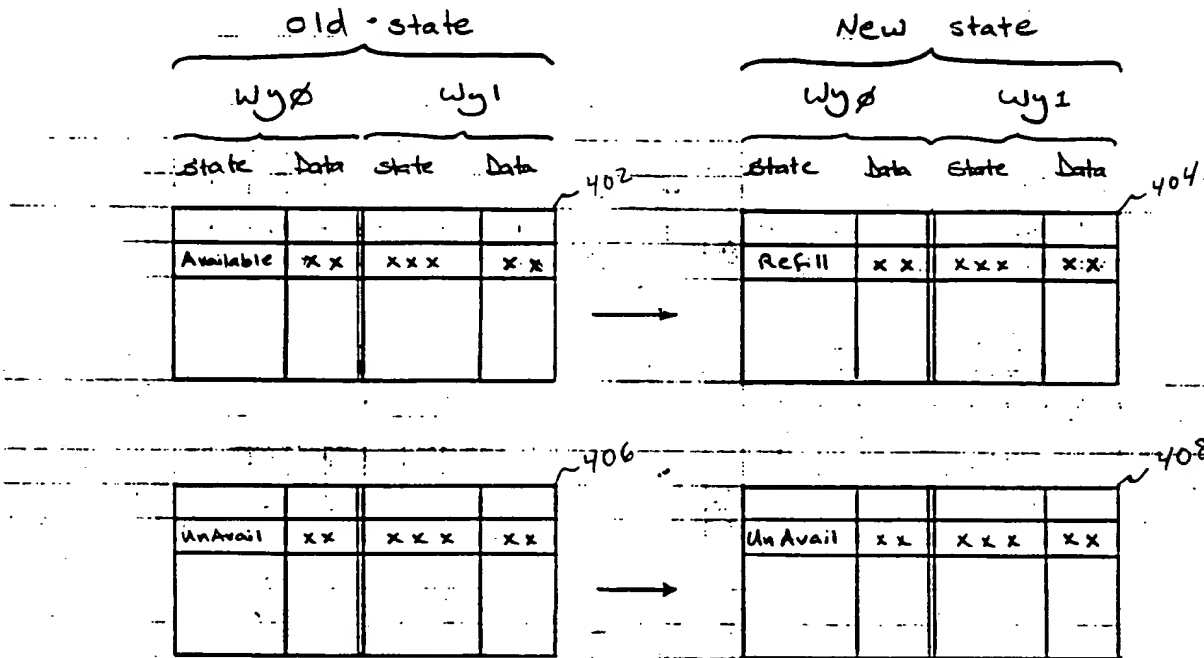


FIG. 4

Prefetch (hint = refill way 1)

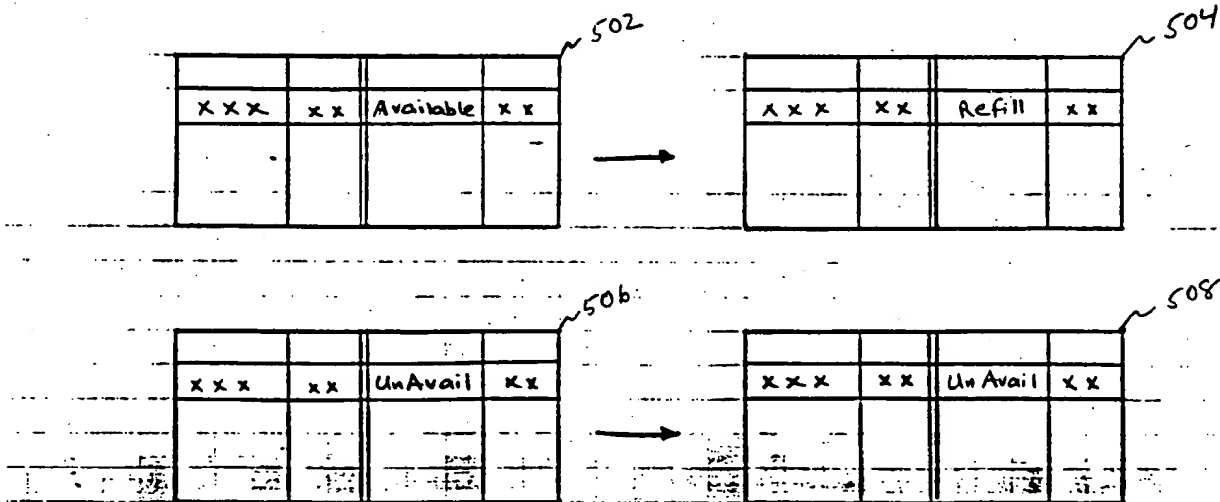
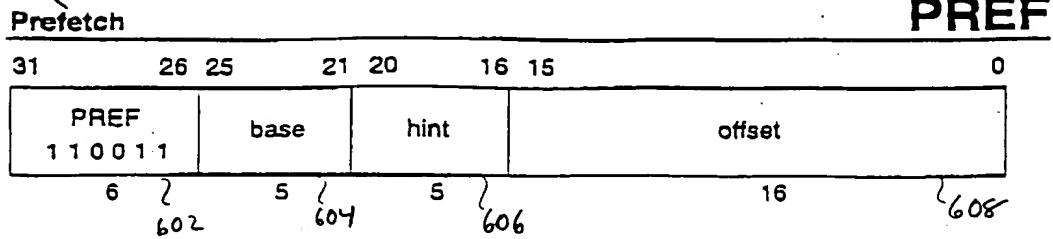


FIG. 5

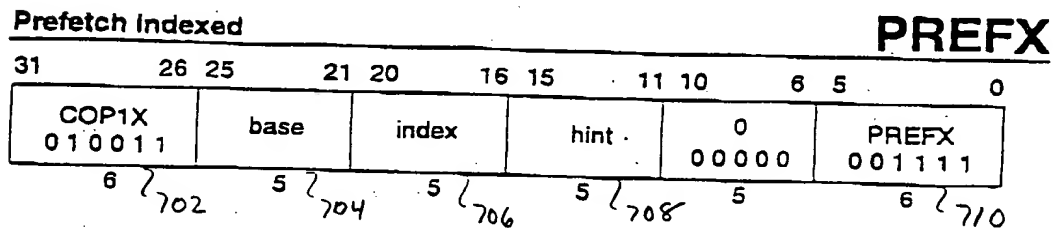




**Format:** PREF hint, offset(base)  
**Purpose:** To prefetch data from memory.  
**Description:** prefetch\_memory(base+offset)

**MIPS IV**

Fig. 6



**Format:** PREFX hint, index(base)  
**Purpose:** To prefetch locations from memory (GPR+GPR addressing).  
**Description:** prefetch\_memory[base+index]

**MIPS IV**

Fig. 7

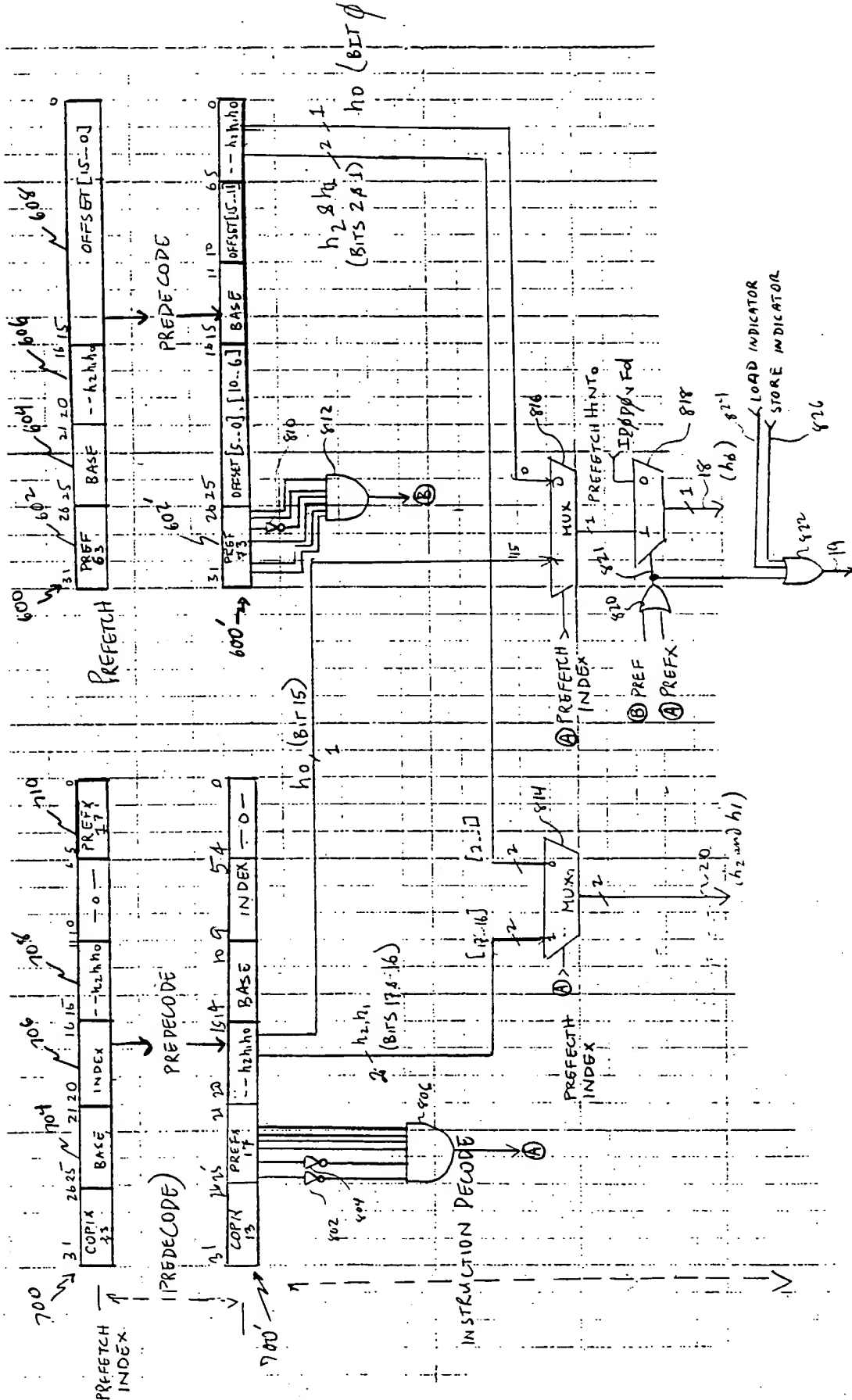


Fig. 8

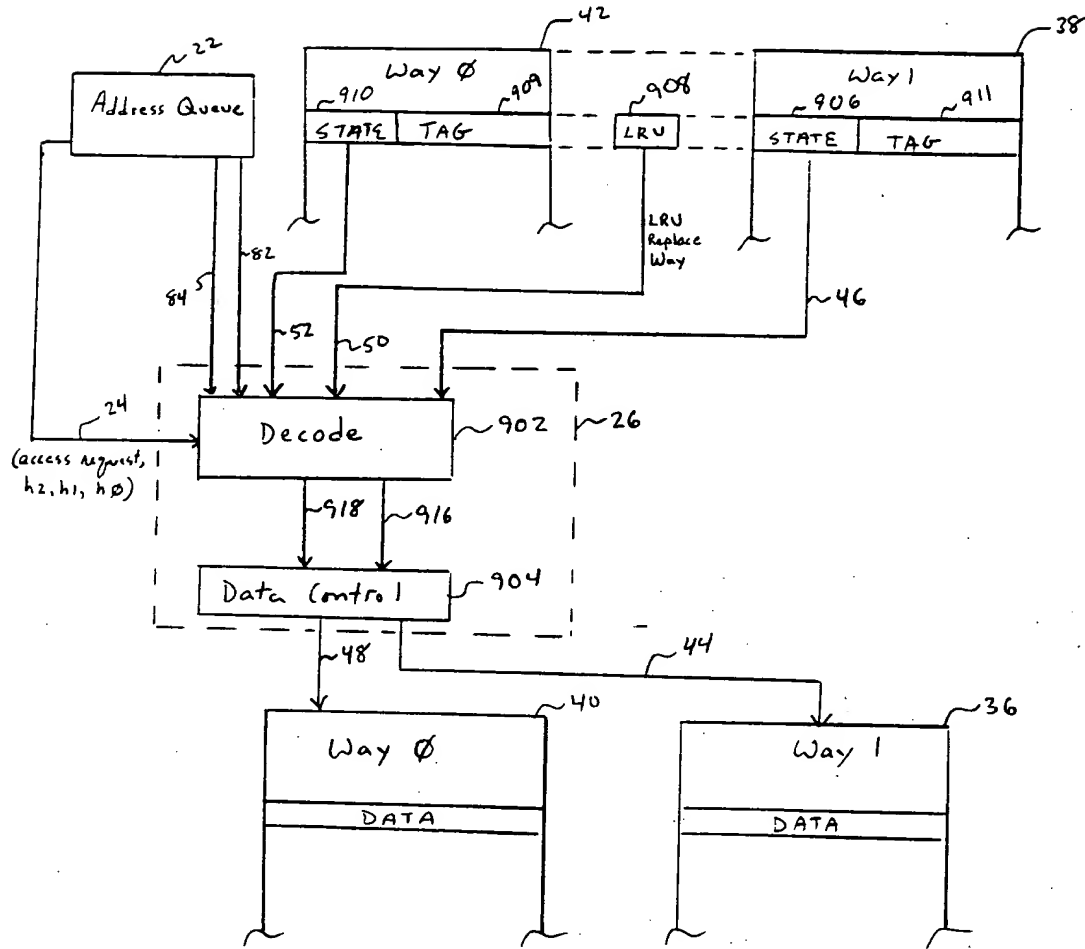


FIG. 9

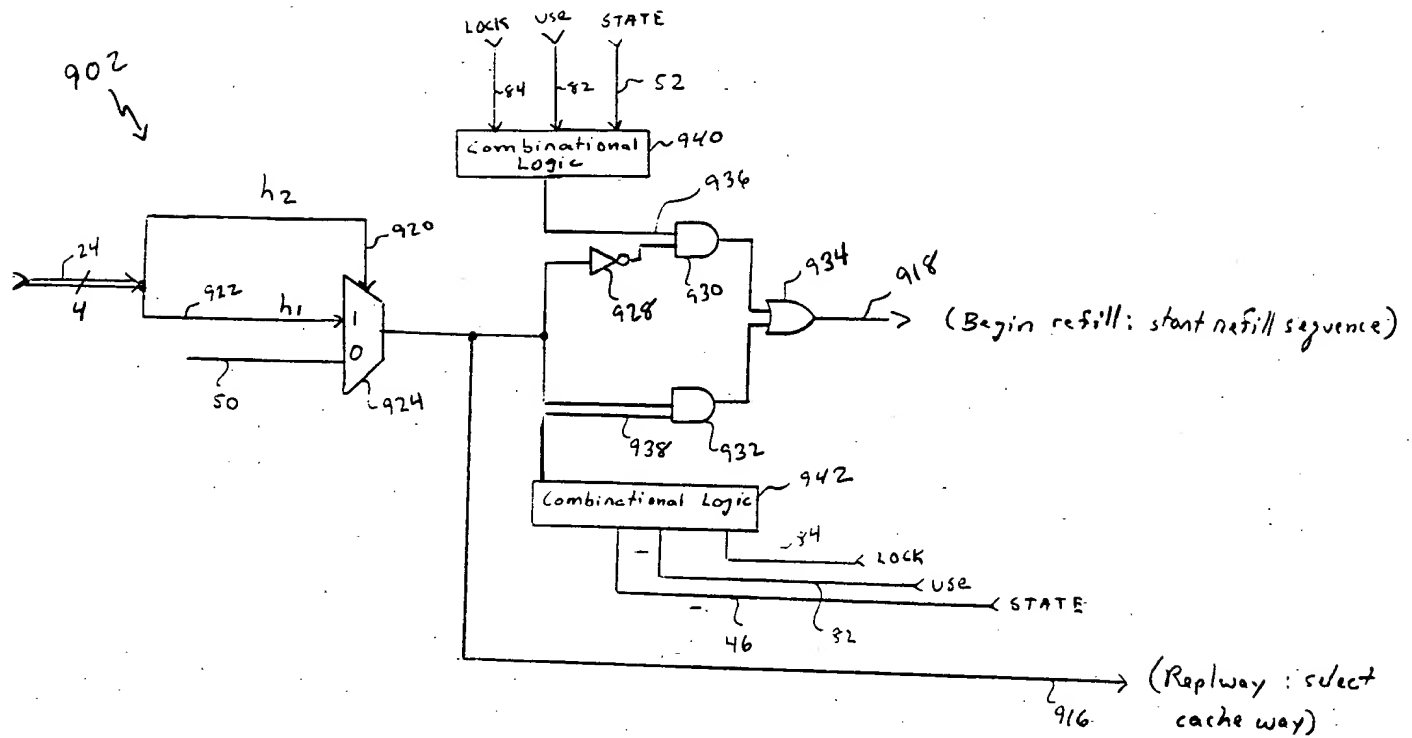


FIG. 10

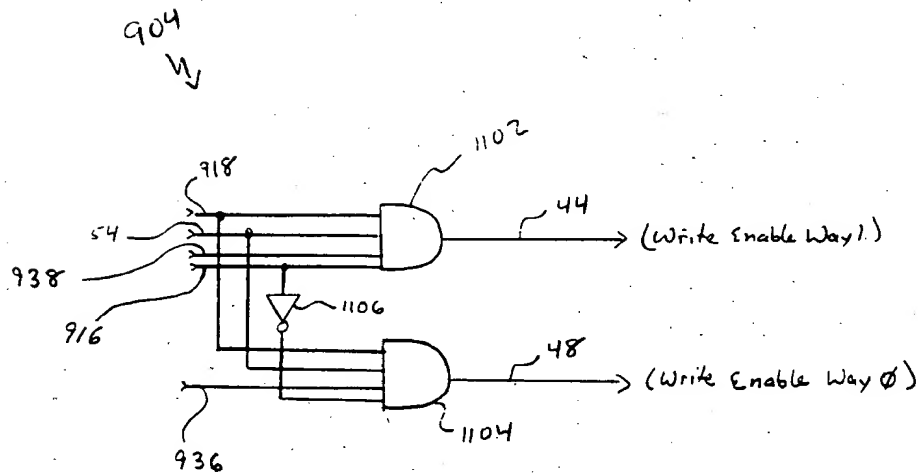


FIG. 11



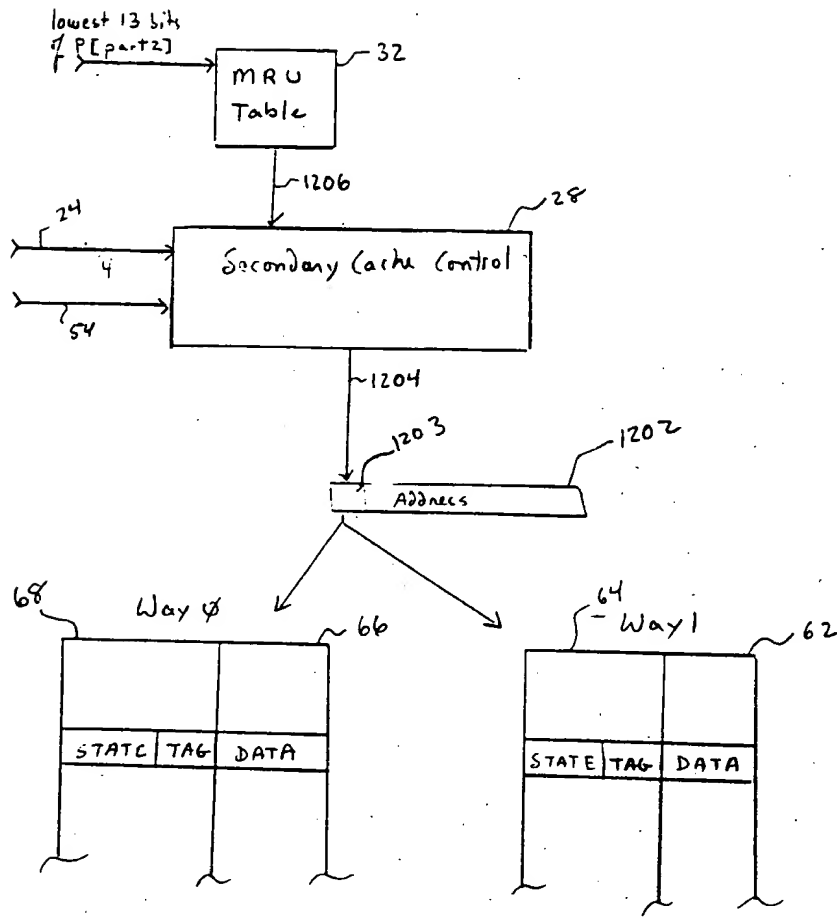


FIG. 12

